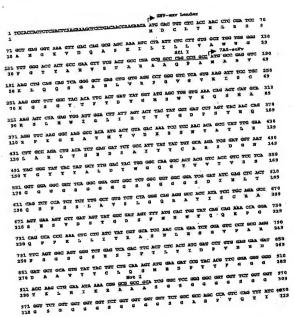
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## 7A5-SCFV



Matter No.: 11692-006US1
Applicant(s): Klaus Cichutek et al.
GENE TRANSFER IN HUMAN LYMPHOCYTES USING
RETROVIRAL SCFV CELL TARGETING

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### K6-scFv

D C L T H L R. S 38 COLL GRO COLL THY GEL CHE CON TOO YOU WAY WELL CAN THE CALL CHE COLL AND COLL OTT CAC CAG CCG ACC AMA ATC CTA AT. L L L V D Q A S K I L I L L 88 THE GOD AND AND GOD GAN GITT TOR AND GOD COM GOD GOD GOD AND GOD GAN GITT 148 AMS CING CING TOA GOSS ACT GAA CITY GITS AMS COT GOSS GOT TOA GITS AMY CITS TOT TOT 208 AND OUT TOT GOT THE ACC TTC ACC AGC THE TOO ATC CAL TOO TTO ANG CAG AGC OUT GOA 257 70 K A 3 G Y T Y T S T W H H W L K Q R P G 89 26 CAN SEC CTT CAS TOS ATO SEA CAS MET CAT CCT CTT CAT MET TAT ACT MAY TAC AND CAN 327 G L R W I G R I D P V D S I 228 AAC TTC AME GOT AME GOT ACA CTO ACT GIA GAC AME TOU TOU ACE ACE ATC TAC ATC CAC 387 388 CTC AGC AGC CTG ACA TCT GAG GAG TCT GGG GTC TAT TAC TGT GGA AGA AAG GGC TAT GGT 447 448 NR CRIC TRO TOR GRO CAN GRO NCC NNC GRO CRC TCC TCN GROT GRANT GROWT TCN GROT T SER THE SUA THE COA GOO CAS AMS STO AND AND AND THE AST THE AST THA AST THE ASPGERVIETCEASS SES ATTS CAC THE THE CAG CAG AMS CCA GOT ACC TOT COT ANA ACA THE ATT THE CAC ACA TOT GET 210 M H W Y Q Q X P G T S. P X R W I Y D Y S 229 638 AAA CRE GOT YOU GOT COT COT COT THE ACT COC ACT COE NOT GOE ACT TOT THE TOT 747 748 CTC CCA APT AGO AGO AND GAS CCC CAA CAT CCC CCC AGO TAT THE TAC TCC CAT CAG CCC ACT I S S E A E A E A A F 

Fig. 2

Matter No.: 11692-006US1 Applicant(s): Klaus Cichutek et al. GENE TRANSFER IN HUMAN LYMPHOCYTES USING RETROVIRAL SCFV CELL TARGETING

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# 7B2-scFv

61 CDA ANT CDC CDT CDC CDT TOS TOS COS TT COS ACC ACT CDC CSA CDT TCS ANT CDC COS 120 21.1  $\pm$  1  $\pm$  2  $\pm$  2  $\pm$  3  $\pm$  4 0 181 CUT GOOD SUCH THE ANG AND THE TOU THE ALSO THE SUCH THE ALSO THE AUTHOR THE TOU THE GOOD THE AUTHOR THE TOU THE TOU THE AUTHOR THE TOU THE GOOD THE AUTHOR THE TOU THE GOOD THE AUTHOR THE TOUT THE AUTHOR THE AU 241 ATC CAC TOS GTA ANA CAG AGG COT GGA CAG GGT CTG GAA TOG ART GGA TAC ATT ANT CCT 301 MC MC CAT TAT MCT CAC TAC MAT CTO MG TTC MG CAL MG CCL MCA TTC MCT CCA CAC 301 MCC MCC CAC TAN MCC CAC TAN MAC CUE AMS THE AME CAC AMS CUE AMS THE ACC 421 TAT THE TEX COX MEN TOE COS TOS TOE THE CAT ATS CAR THE TOE GOS COM COS MED ACE YCARSGWSTAND 541 GMC AND CMC CMC MCT CMG TCT CCM, GEA AND AND TCT GCM, TCT CCM, GGM CMC AMB CTC ACC. 605
181 D I E L T Q S P A I M S A S P G E K V T 200 601 ATA AGU TOU AGU COC AGU TOA AGU COA AGU COA AGU CAA AGU CAA TOU TTO CAG CAG AMA COA GOU 660 201 X T C S A S S S Y S Y M M W F Q N X S G 220 761 GRY COT COT ACT YAT YAT YAT YAT CAS CAS ACE AND SAT NOT YAT COA YAT ACE YAT GOT YOU GOT YOU ALL OF A Y Y Y C S G Y S S Y Y Y Y C S G S G P A Y Y Y C S G Set I we have the constant and have the constant constan 330 961 ATC CCC CTG CTT GTG CGT CTA GCC ATT TCA

Fig. 3

Matter No.: 11692-006US1
Applicant(s): Klaus Cichutek et al.
GENE TRANSFER IN HUMAN LYMPHOCYTES USING
RETROVIRAL SCFV CELL TARGETING
RETROVIRAL

### 4/5

# 7E4-scFv

I ARG CAC TON COT COA TOO COT CAS COT ANA CAT CAC CAS COS ACA ANA ATC ART COTO COTO COTO CONSTRUCTION VXLQQSGABLV 121 GCG GCC CAG CCG GCC 181 OCT SEA SUT TOL STE AME CRE TOU TOU AME AUT TOT SEC ATO TOU THE ACC MED THE TOU 241 ATG AMC TGG GTG AMG GTG AGG GCT GTA CMA GGC CTT CAA TGG ATT GGC ATG ATT CMG CCT S1 M M W V K  $\cdot$  L R P G Q G L L W I G M I R P 301 TOO CAT ACT CAA ACT ACT TTA ACT CAE 100 TTO AMS CAC AMS COT ACA CTG ACT CTA CAC lol S D S E T S L T Q E P K D K A T 363 ANA TOO TOO AGO AGO GOO THE ATG CAN CITE AND MEE COD ACA TOT GAS GAS TOT GOS GOO TAYMQLSSTTSED SAL THE THE TOT GOA MON YOU CHE THE GOT AND THE COST TOT THE ACT THE THE TOO GOC CAN 483 GOC ACC ACC CITC ACC CITC TOU TEA COT CEA GOC GOT TEA GOC GOA GOT GOC TOT GOC GOT SOI, AME AND AND AND AND YOU AND GOD MEET TON AND AND AND THE THE THE CAN THE PART 201 X I Y I Z C S A S S S I S S X Y L X SEE CAS CAS CAS AMS CCA SCA TTC WGG CCT AMA CTC TTG ATT TMT MGG ACA YCG AMS CTG GCT TCT 946 315

Fig. 4

Matter No.: 11692-006US1
Applicant(s): Klaus Cichutek et al.
GENE TRANSFER IN HUMAN LYMPHOCYTES USING
RETROVIRAL SCFV CELL TARGETING

#### 5/5

#### 6C3-scFv

1 are eac for one acc and one con too con the con and one acc acc and and are 1 am 0 c L 7 H L H S A L G K V D G A B K I61 CEA APT CRC CET GRC CCT TOG TOG COS TET GGG ACT ACT CCC CAA GET TOG ACT CCA OL LEADER DATE UNIT UTTO UTTE THE THE WAS SET AND ACT OUT ON ACT THE ACT OF THE TANK TO A 121 one see the cos see and the cos one can call the tracker for the large and the la 181 COO GGG GAG TOT CTG ANN ACC TOO TOT AND GGT TIT GGA TAC GAC TIT MGC ACC TAC TOO G Z S L K I S C K G F G F D F S T 301 CET CAG TOT CAG ACC ANA TAG ACC COG TOC THE CAA CCC CAG CTC ACC ATC TCA CCC CAG 101 G D S D T K T S P 361 NAG TEE NEC NEC NEC COU TAC COT CAC TOE NAC NEC CTC NAG COU TOE CAC NEC COU NEG 420 TAYLOWSSLEASDTAM 161 Y M D V W G R G 541 TCA GCC GCA GGT GCC TCT GCC GCT GCC GCA TCC GAC ATC GTG ATG ACC CAG TCT GCT TCC 181 S G G G G S G G G S D 601 ACC CRG RCT GCA ROT GTA GCA GAC AGA GRC ACC ACC ACC ACT RCC GCG GCC ACT CAG AAC ATT 201 2 L S  $\lambda$  S V G D R V T M T C R  $\lambda$  S Q H I SEL ANY ANY TWO THE COUNTS THE CAS CAS ANA COL GOS ANA COUNTS THE CHI CHI ANY THE LEW LEVEL LEV 721 AMG GOO TOT ACT TEA ONG ACT COD STC COD TCA ACC STC ACC COC ACT GOA TCE GOA ACA 241 K A 3 T L T 3 G V P. 3 R P 3 G S G S G T THE GAL TTO ACT CTC ACC AND ACC CCC CTC CAS CCT GAT GRE TIT CCA ACT THE MAC TOT CAN Here is a constant our tent for the constant and the character our can be constant and the 906 302 901 CCA TCS

Fig. 5